



Chandler • Arizona
Where Values Make The Difference

Civil Engineering Traffic Signal Plan Review Checklist

Log No.: _____

C.I.P. No.: _____

Project:	
Location:	

Legend	
/	Requirement satisfied.
O	Requirement not satisfied.
?	Unable to determine status, more information is required.
X	Not applicable.

Review #	Reviewed By	Date
1		
2		
3		
4		
5		

The requirements referred to on the checklist can be found in the City's *Technical Design Manual 5 – Traffic Signal Design*.

Item	Requirement	Comments
1.	The traffic signal plan must be submitted on 24" x 36" sheets. Please resubmit the plan on the correct size sheets.	
2.	The scale must be shown on the plans.	
3.	A north arrow is required on each sheet.	
4.	The name of the proposed development must be shown on the cover sheet.	
5.	A vicinity or site location map is required on the cover sheet.	

Mailing Address:
P.O. Box 4008, MS 406
Chandler, Arizona 85244-4008

Planning and Development Department
Development Services Division
Civil Engineering Plan Review Section
215 E. Buffalo St., Chandler Arizona

Telephone: (480) 782-3000
Fax: (480) 782-3150
www.chandlerz.gov

Form No. UDM-30/Folder 480
Rev. 4-19-06

Traffic Signal Plan Review Checklist
Page 2 of 5

Item	Requirement	Comments
6.	An index of sheets is required, if plans include signals at more than one intersection and are shown on more than one sheet.	
7.	The minimum height of all lettering shall be 0.1" (one-tenth of one inch).	
8.	The developer's name, address, and phone number must be shown on the cover sheet. For Capital Improvement Projects add the following to the cover sheet: 215 E. Buffalo Street Chandler, AZ 85225 Tel: (480) 782-3330	
9.	The engineer's name, address and telephone number must be shown on the cover sheet.	
10.	Each sheet of the plans must be sealed, with signature, by the engineer.	
11.	The following current City standard notes must be shown or corrected on the cover sheet: A. General Notes. B. Signing and Striping Notes.	
12.	Provide a legend on the cover or detail sheet identifying the symbols used for the following items: A. Conduit run designation - see conductor schedule on sheet _____. B. Cabinet/pole designation - see pole schedule on sheet _____. C. #7 Junction box with extension. D. #7 Junction box. E. #5 Junction box. (Show symbol for each item. Additional items may be required based upon complexity and clarity of plan data).	

Traffic Signal Plan Review Checklist
Page 3 of 5

Item	Requirement	Comments										
13.	<p>Please coordinate with all of the appropriate utility companies on the list below. Place a "Utility Coordination Block" on the cover sheet. Show names and dates plans were submitted to them.</p> <p>Air Products and Chemicals, Inc. AT&T Telephone Long Distance Cox Cable El Paso Natural Gas Qwest Roosevelt Water Conservation District (RWCD) Salt River Project (power) Salt River Project (SRVWUA) Kinder Morgan Energy Partners Southwest Gas Sprint Telephone Long Distance</p>											
14.	<p>Add the following approval block to the cover sheet:</p> <p>A. For Capital Improvement Projects:</p> <p>APPROVED:</p> <table border="0"><tr><td>_____ DIRECTOR OF PUBLIC WORKS</td><td>_____ DATE</td></tr><tr><td>_____ CITY ENGINEER</td><td>_____ DATE</td></tr></table> <p>B. For all other projects:</p> <p>APPROVED FOR COMPLIANCE WITH CITY CODE:</p> <table border="0"><tr><td>_____ CITY ENGINEER</td><td>_____ DATE</td></tr><tr><td>_____ DEVELOPMENT SERVICES ENGINEER</td><td>_____ DATE</td></tr><tr><td>_____ TRANSPORTATION ENGINEER</td><td>_____ DATE</td></tr></table>	_____ DIRECTOR OF PUBLIC WORKS	_____ DATE	_____ CITY ENGINEER	_____ DATE	_____ CITY ENGINEER	_____ DATE	_____ DEVELOPMENT SERVICES ENGINEER	_____ DATE	_____ TRANSPORTATION ENGINEER	_____ DATE	
_____ DIRECTOR OF PUBLIC WORKS	_____ DATE											
_____ CITY ENGINEER	_____ DATE											
_____ CITY ENGINEER	_____ DATE											
_____ DEVELOPMENT SERVICES ENGINEER	_____ DATE											
_____ TRANSPORTATION ENGINEER	_____ DATE											
15.	<p>Add the following on the lower right of the cover sheet over the title block:</p> <p>C. O. C. Log No. _____</p>											

Traffic Signal Plan Review Checklist
Page 4 of 5

Item	Requirement	Comments
16.	<p>Your traffic signal and/or appurtenances are located outside of public right-of-way as shown.</p> <p>A. Relocate signal to inside of public right-of-way, minimum of six (6) feet behind face of curb.</p> <p>B. Provide public utility easement. See Item No. 17 for requirements.</p>	
17.	<p>An easement or right-of-way dedication is required by separate instrument. Please provide the following exhibits and information along with the easement document prior to obtaining the owner(s) signature:</p> <p>A. Subdivision name.</p> <p>B. Type of easement/R.O.W.</p> <p>C. Reason or purpose of the easement/R.O.W.</p> <p>D. Vicinity map showing major cross streets.</p> <p>E. Legal description with R.L.S. certification.</p> <p>F. Detail map showing the easement/R.O.W. alignment with dimensions and bearings, true point of beginning, section, township and range.</p> <p>G. Standard owners policy preliminary title report.</p> <p>The City's Real Estate Division will review and record the deeds.</p>	
18.	<p>Your traffic signal project will be affected by a City project/Improvement District or private development construction. Coordinate your plans with the City Project/Improvement District Engineer. Add the following approval block to your plans and acquire the engineer's signature:</p> <p style="text-align: center;"> APPROVED FOR COORDINATION DATE (Add project name and number) </p>	
19.	<p>The following information is required for each existing and/or proposed street within and adjacent to your traffic signal location:</p> <p>A. Name.</p> <p>B. Right-of-way width.</p> <p>C. Improved width of street, typically back-of-curb to back-of-curb dimensions.</p>	

Traffic Signal Plan Review Checklist
Page 5 of 5

Item	Requirement	Comments
20.	The following existing and proposed items must be shown on the plans, with dimensional ties to proposed signal apparatus in areas of potential conflicts: A. Fire hydrants. B. Domestic/irrigation/reclaimed water lines, meters and valves. C. Electrical/telephone/CATV/lines/vaults, boxes, transformers. D. Power poles and overhead lines. E. Sanitary sewer lines/manholes/cleanouts. F. Street lights. G. Curb/gutter/sidewalk. H. Sidewalk ramp. I. Traffic signs. J. Public utility easements. K. Bus bay/right turn bays. L. Other items as noted.	
21.	Provide dimensional tie from each signal pole base to the centerline of one of the intersection streets.	
22.	Coordinate traffic signal plan with the engineer preparing other offsite improvement plans.	

Please return this checklist with the next plan submittal

City Use Only

1. Street Supervisor review?
2. Traffic Engineer review?